

Ecosystems Workshop #1: Speaker Profiles

Delta Independent Science Board Meeting

December 6, 2018

Jim Cloern is a senior research scientist at the U.S. Geological Survey where he has worked since 1976. His research addresses comparative ecology and biogeochemistry of estuaries to understand how they respond as ecosystems to climatic-hydrologic variability and human disturbance. He leads a team investigation of San Francisco Bay that has included study of primary production, nutrient cycling, algal and zooplankton community dynamics, ecosystem metabolism and food web dynamics, disturbance by introduced species, Bay-Ocean connectivity, ecosystem restoration, and projected responses to climate change. Jim has been a Fulbright Research Scholar at the Centre d'Océanologie de Marseille, mentored 12 postdoctoral scientists and 20 graduate students from 6 countries, taught scientific writing at the Université de Bretagne Occidentale, is Consulting Professor (Civil Engineering) at Stanford University, served as Co-Editor of *Estuaries and Coasts*, is Senior Editor of *Limnology and Oceanography Letters*, and 2010 recipient of the B.H. Ketchum Award from the Woods Hole Oceanographic Institution, 2012 recipient of the Brown-Nichols Scientific Achievement Award of the Bay-Delta Science Program, and 2015 recipient of the Ruth Patrick Award of ASLO (Association for the Sciences of Limnology and Oceanography). He was honored as ASLO Sustaining Fellow in 2015 and AGU Fellow in 2016.

Ted Grosholz is a Professor and the Alexander and Elizabeth Swantz Specialist in Cooperative Extension in the Department of Environmental Science and Policy at UC Davis. He received his B.A. in Biology from Brown University and his Ph.D. in Zoology from the University of California, Berkeley. He is a benthic marine ecologist with a particular focus on invasive species, climate change and habitat restoration. His work includes understanding the impacts of introduced animals and plants in coastal ecosystems, the consequences of climate change for bays and estuaries, and the restoration of native oysters, eelgrass beds and salt marshes. Ted has published over 100 scholarly articles including peer-reviewed publications, reports, book chapters, and a co-edited book "Human Impacts on Salt Marshes" (University of California Press). He has also been a principal investigator on more than 50 federal and state grants and contracts investigating a range of processes influencing coastal ecosystems. He has also participated on several national and international panels and committees addressing invasive species management and related policy issues including the National Research Council (NRC) and the CSIRO (Australia) Center for Research on Invasive Marine Pests (CRIMP).

Peter Moyle is Distinguished Professor Emeritus in the Department of Wildlife, Fish and Conservation Biology and associate director of the Center for Watershed Sciences, UC Davis. He is author or co-author of more than 260 peer-reviewed publications, including *Inland Fishes of California* (2002) and *Floodplains* (2017). He has served on numerous advisory bodies, including the Ecosystem Restoration Program Science Board of the California Bay-Delta Authority and the National Research Council Panel on the Klamath River, as well as serving as an expert witness in trials and hearings dealing with fish. His research interests include conservation of aquatic species, habitats, and ecosystems; ecology of fishes of the San Francisco Estuary, especially Suisun Marsh; ecology of California stream fishes; effects of introduced aquatic organisms and their role in novel ecosystems; use of floodplains by fish; and reconciliation ecology. Dr. Moyle received his Ph.D. in Zoology from the University of Minnesota.

Marcel Rejmánek is a Professor of Plant Ecology in the Department of Evolution and Ecology at UC Davis. He received his M.S. (1969), RNDr. (1970) and Ph.D. (1977) from Charles University in Prague where he worked as an Assistant Professor in the Botany Department from 1972 through

1977. From 1978 to 1983 he was employed as a Head of the Center of Biomathematics of the Czechoslovak Academy of Sciences in Ceske Budejovice and from 1984 to 1985 as an Assistant Professor and Research Associate Professor in the Department of Experimental Statistics and Department of Marine Sciences at the Louisiana State University in Baton Rouge. Since 1985 he has been a faculty member in the Department of Botany and Department of Evolution and Ecology at UC Davis. He conducts research and publishes on causes and consequences of plant invasions, dynamics of plant communities, and the ecology of seed dispersal and regeneration of tropical forests. He is an author of over 150 original papers published in professional journals, a coeditor of two volumes on biological invasions (1989,1995) and, together with Professor Daniel Simberloff, editor of Encyclopedia of Biological Invasions (765 pp., University of California Press, 2011).

Martha Volkoff is the Environmental Program Manager for the California Department of Fish and Wildlife's Invasive Species Program, which is responsible for reducing the negative effects of non-native invasive species on wildlands and waterways of California. The program's projects address problems with introduced animals and plants by identifying and addressing the ways by which the species are introduced. Martha earned a B.S. and M.S. in Conservation Biology and for much of her career has worked as a fisheries biologist, with an emphasis on the application of fish age and growth information to the management of fisheries.